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03-13-01 0500

OIEP

## RAW SEQUENCE LISTING

DATE: 02/08/2001

PATENT APPLICATION: US/09/771,209

TIME: 12:32:52

Input Set : A:\38586b.txt

Output Set: N:\CRF3\02082001\I771209.raw

P5 #3

ENTERED

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3 <110> APPLICANT: Buck, Linda
4   Axel, Richard
6 <120> TITLE OF INVENTION: ODORANT RECEPTORS AND USES THEREOF
8 <130> FILE REFERENCE: 0575/38586-B/JPW/ADM
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,209
C--> 10 <141> CURRENT FILING DATE: 2001-01-26
10 <150> PRIOR APPLICATION NUMBER: US 08/129,079
11 <151> PRIOR FILING DATE: 1993-10-05
13 <160> NUMBER OF SEQ ID NOS: 80
15 <170> SOFTWARE: PatentIn version 3.0
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27 cttgggaacc tgcttatcat tatggccatc atcacacagt ctcatattgca tacacccatg      180
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66 ggaacatat ccattattgt ggctatcatt tcagatccct gtctgcacac ccccatgtat      180
68 ttcttctct ctaacctgtc ctttgtggac atctgtttca tttcaaccac tgttccaaag      240
70 atgttagtga acatccagac ccaaaacaat gtcacacact atgcaggatg cattaccag      300
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74 gaccgttacg tagccatctg tcaccccatg cactacacag ttatcatgaa ctacaagtc      420
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88 agttctgctg caaacaacag ctcacaggca agtgccacag cctcagtcac gtacactgta 840
90 gttaccoccta tggatgaaccc ttttatctat agtcttagga ataaagatgt taagagtgtt 900
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113 ctgtattttc tcgtgtgtgt tggtaacatg gacaatttcc tgctggctgt gatgtcctat 360
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117 tgtgtcctgc ttgttgtggg gtcattgggt gtagccaaca tgaattgtct gttgcacata 480
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127 tgtggtctcc acctggctgt ggtctgctc ttctatggca ccgtcatcgc tgtgtatttc 780
129 aacccatcat cctctcactt agctgggagg gacatggcag ctgcagtgat gtatgcagtg 840
131 gtgaccccaa tgctgaaccc tttcatctat agcctgagga acagcgacat gaaagcagct 900
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146 acggtagttg gaaacctagc catcatctcc ctggtaggtg cccacagatg cctacagaca 180
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152 gccacacaga tgtactttgt cttttctttg ggctgtaccg agtacttctc gctggctgtg 360
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160 ttctgtgaca ttctgcctg gatagtgtt tcctgcaccg acacgcagg gtggaactg 600
162 gtgtcctttg gcattgcctt ctgtgttatt ctgggctcgt gtggtatcac actagtctcc 660
164 tatgcttaca tcattactac catcatcaag attccctctg cccggggcgc gcaccgcgc 720
166 ttctcaacct gctcatcca tctcactgtg gtgctgattt ggtatggctc caccatcttc 780
168 ttgcatgtga ggacctcgt agagagctcc ttggacctca ccaaagctat cacagtgtc 840
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172 aaggaagctc tgcgcaggac ggtgaagggg aagtga 936
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185 ggaaacctgc taatcattgt ccttggttca ctggactctc atctccacat gcccatgtac 180
187 ttgtttctca gcaacttgtc cttctctgac ctctgctttt cctctgtcac aatgcccaaa 240
189 ttgtctcaga acatgcagag ccaagtacca tctatatcct atacaggctg cctgacacag 300
191 ctgtactttt ttatggtttt tggagatatg gagagcttcc ttcttgggtt catggcctat 360
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248 gtgaccccca tgctgaaccc ctccatctac agcctgagga acagagacat gaaagaggca 900
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254 <211> LENGTH: 933
255 <212> TYPE: DNA
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263 ttgctaatac ttgtacttgt tcaactggac tcccagctcc acacacctat gtatttgttt 180

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269 ttcttttatgg tttttggaga tatggagagt ttccctcttg tggccatggc ctatgaccgc 360
271 tatgtggcca tctgcttccc tctgcattac accagcatca tgagccccaa gctctgtact 420
273 tgtctagtgc tgttattgtg gatgctgacg acatcccatg ccatgatgca cacactgctt 480
275 gcagcaagat tgtctttttg tgagaacaat gtggctcctca acttcttctg tgacctatct 540
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285 gcaggtaata attccactgt aaaagagatg gtcatggcca tgatgtacac tgtggtgacc 840
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322 aaagcctttt caacctgtgc ctcccacctc actgttgtga tcatcttcta tgcagccagt 780
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326 gtactctacy ctgtcattgt accgttgttc aatcccatca tctactgctt gcgcaaccaa 900
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343 ctgctaattg ttgtccttgt tcaactggac tctcatctcc acacacccat gtacttgttt 180
345 ctcagcaact tgtccttctc tgatctctgc ttttcctctg ttacaatgct gaaattgctg 240
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353 tgtctcctgc tgggtattttg gataatgaca tcatctcatg ccatgatgca caccctgctt 480
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361 tccctccattc ttaaggttcc atctactcaa agcattcaca aggtcttctc cacttgtggt 720
363 tctcatctct ctgtggtgtc tctgtttctac gggacaatta ttggtctcta tttatgtcca 780
365 tcaggtgata attttagtct aaaggggtct gccatggcta tgatgtacac agtggttaact 840
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FYI:

**Please Note:**

Use of n and/ r Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/771,209

DATE: 02/08/2001  
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Input Set : A:\38586b.txt  
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
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L:573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:1498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/771,209

DATE: 02/08/2001

TIME: 12:32:53

Input Set : A:\38586b.txt

Output Set: N:\CRF3\02082001\I771209.raw

L:1678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:1765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:1945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42